

High School to College and Career Pathway: Post-Secondary

Area of Study: Skilled & Technical Education

Pathway: Welding

Region: Mountainland	District:	School:	College/Institution: Utah Valley State College Articulation Agreement in place? Yes Name of Degree or Certificate: AAS Welding Technology (64 Credits Required)
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High School				College		
Course Number	High School Suggested Academic Courses	H.S. Credit	College Credits	Course Number	College General Education Requirements	College Credits
ENGL	ENGLISH		2	ENGL	ENGLISH	2
ENGL1010	College Writing * ^	1		ENGL1010	Introduction to Writing (3.0)	
				ENGL1060	Career Writing for Technology (3.0)	
				ENGL106A	Career Writing for Technology—A (2.0)	
				MGMT2200	Business Communications (3.0)	
MATH	MATHEMATICS		2	MATH	MATHEMATICS	2
MATH1010	Intermediate Algebra ^ (4.0)	1		MATH1010	Intermediate Algebra (4.0)(or any higher mathematics course or any approved Departmental Mathematics Course)	
	HUMANTIES/FINE ARTS Complete one course from the following: (each class generates 3.0 credits)		2		HUMANITIES/FINE ARTS Complete one course from the following: (each class generates 3.0 credits)	2
				PHIL2050	Ethics and Values (recommended)	
HUM1010	Humanities * ^	1		HUM1010	Humanities Through the Arts	
COMM1020	Public Speaking ^	1		COM1020	Public Speaking	
ART1010	Art/Art Foundations *			ART1010	Introduction to Visual Arts	
50.0406	Photo II *			ART1050	Photography I	
ART1110	AP Drawing *			ART1110	Drawing I	
ART1340	3-D Design II *			ART1340	Sculpture I	
ART1350	Ceramics II *			ART1350	Ceramics I	
ARTH2720	Art History *			ARTH2720	History of Art from the Renaissance	
MUSC1010	Music Appreciation *			MUSC1010	Introduction to Music	
THEA1013	Introduction to Theater **			THEA1013	Introduction to Theater	
THEA1023	Film/Video Production I or II *			THEA1023	Introduction to Film	
				→	Any other approved Humanities/ Fine Arts distribution course	

	BIOLOGY/PHYSICAL SCIENCE Complete one course from the following:		2		BIOLOGY/PHYSICAL SCIENCE Complete one course from the following:	2
21.0105	Physics w/Technology (2.0)	.50		PHYS1810	Principles of Technology I (recommended) (2.0)	
				PHYS1820	Principles of Technology II (recommended) (2.0)	
BIOL1010	AP Biology * Gen. Biology ** (3.0)	1		BIOL1010	General Biology (3.0)	
GEO1010	Geology * Intro. To Geology ** (3.0)	1		GEO1010	Introduction to Geology (3.0)	
PHYS1010	Physics Honors/Engr. I * (3.0)	1		PHYS1010	Elementary Physics (3.0)	
PHYS1040	Astronomy * (3.0)	1		PHYS1040	Elementary Astronomy (3.0)	
				→	Any other approved Biology/Physical Science distribution course	
	SOCIAL/BEHAVIORAL/POLITICAL SCIENCE Complete one course from the following: (each class generates 3.0 credits)		2		SOCIAL/BEHAVIORAL/POLITICAL SCIENCE Complete one course from the following: (each class generates 3.0 credits)	2
				MGMT3000	Organizational Behavior (recommended)	
GEOG1300	Survey of World Geography ^	1		GEOG1300	Survey of World Geography	
HIST1100	History of Civilization *	1		HIST1100	History of Civilization I	
HIST1700	AP US History *	1		HIST1700	American Civilization	
52.0211	Business Management *	.5		MGMT1010	Introduction to Business	
MGMT2020	Macroeconomics ^			MGMT2020	Macroeconomics	
POLS1100	American National Government ^	1		POLS1100	American National Government	
PSY1010	AP Psychology * Gen. Psych. ^	1		PSY1010	General Psychology	
SOC1010	Sociology * Intro to Sociology ^	1		SOC1010	Introduction to Sociology	
				→	Any other approved Social/Behavioral Science distribution course	
	PHYSICAL ED./HEALTH/SAFETY OR ENVIRONMENT		1		PHYSICAL ED./HEALTH/SAFETY OR ENVIRONMENT	1
HLTH1100	Personal Health & Wellness ^ (2.0)	1		HLTH1100	Personal Health & Wellness (2.0)	
				→	Any other approved Physical Ed./Health/Safety or Environment distribution course	
→	Any 5 additional credits from above (credits can be fulfilled by adding up extra credit point from each distribution)		5	→	Any 5 additional credits from above (credits can be fulfilled by adding up extra credit point from each distribution)	5

Note: This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering. **Note:** *= concurrent ^= distant

High School to College and Career Pathway: Post-Secondary

Area of Study: Skilled & Technical Sciences

Pathway: Welding

High School				College		
Course CIP #	CTE Pathway Courses (credits for completion)	H.S. Credit	College Credits	Course #	College Major Course Requirements	College Credits
Course #	Foundation Course: (3.00 required)	Credit				
48.0508	Welding *	1.00				
	Elective Courses: (choose 1.00 credit)					
15.1301	Drafting & Design Technology	.50	2	EGDT1000	Basic Drafting	2
48.0503	Machine Tool	1.00				
48.0508	Welding Fabrication	1.00				
32.0199	Student Internship (Critical Workplace Skills)	.50				
				WELD1100	Essentials of Welding	8
				WELD1200	Intermediate Arc Welding	6
				WELD1210	Print Read And Layout	6
				WELD1250	Math for Welders	2
				WELD2300	Portable and Advanced Arc Welding	7
				WELD2310	Welding Inspection	2
				WELD2320	Metallurgy	4
				WELD2400	Industrial Joining Processes	8
				WELD2410	Advanced Blueprint and Design	3
					Recommended Courses:	
				AIM1000	Keyboarding Basics (1.0)	
				AIM1350	Beginning Word-processing (3.0)	
TOTAL Potential Credits Earned in High School			18	TOTAL Credits Required for Degree or Certificate		64

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